

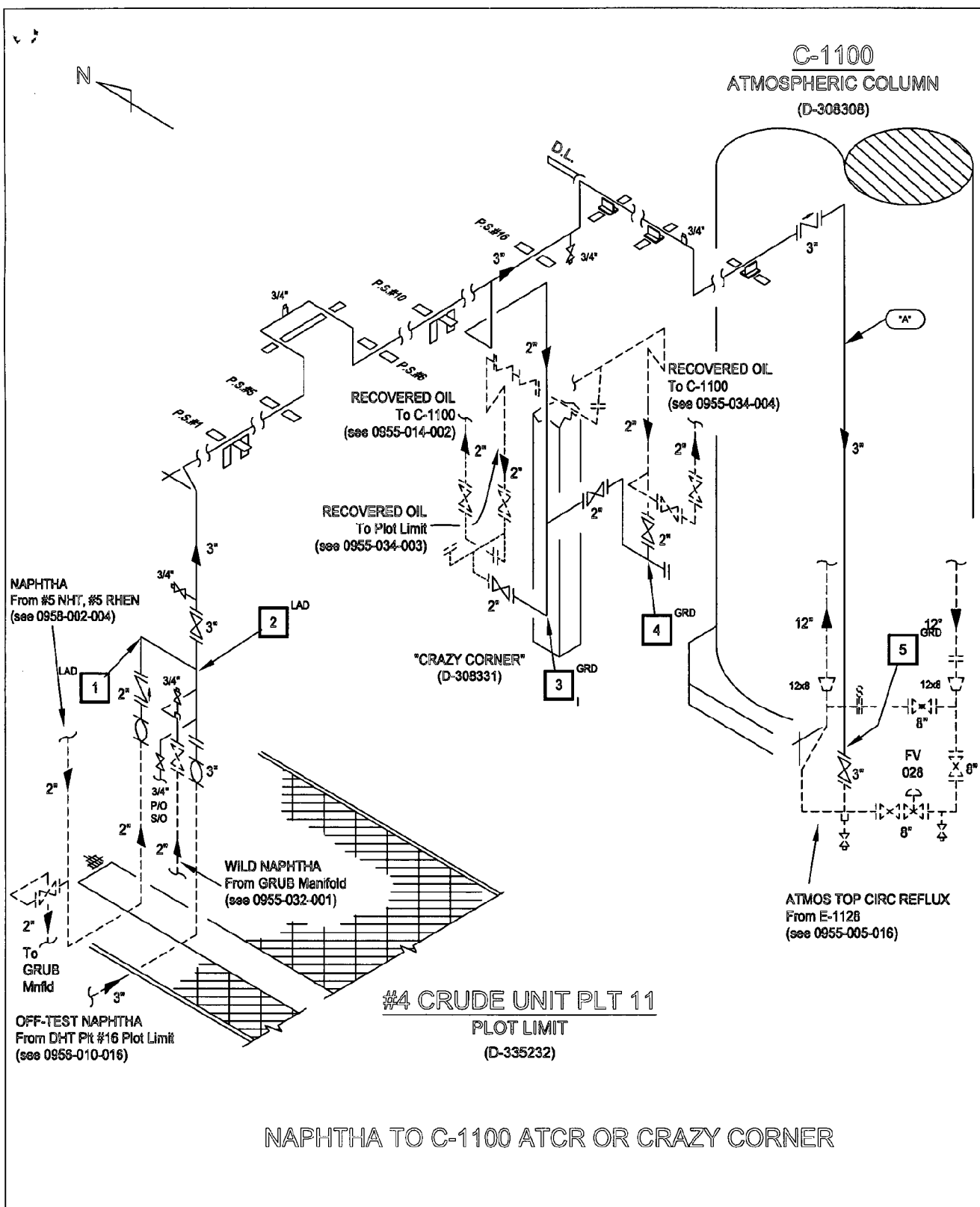
# Corrosion Report



Equipment Location ID 0955-031-002  
 Equip. Location Descrip. NAPHTHA TO C-1100 ATCR OR CRAZY CORNER

Remaining Life (Years) 28.01  
 Retirement Date 11/17/2031  
 Last Inspection Date 05/25/2005  
 Next Inspection Date 11/10/2013  
 Current Corrosion Rate 2.34

DP ID	MEAS METH	DP STAT	DP SZ	DT TYPE	BASE	MEAS 5	MEAS 4	MEAS 3	NEAR	LAST	MIN VALUE	CCR	REM LIFE
001.R	RT	A	2.00	ELL	0.150 11/96					0.140 11/03	0.100	1.43	28.01
002.R	RT	A	3.00	PIPE	0.220 11/96					0.210 05/05	0.100	1.17	93.86
003.R	RT	A	2.00	ELL	0.160 11/96					0.150 11/03	0.100	1.43	34.99
004.R	RT	A	2.00	TEE	0.150 11/96					0.160 11/03	0.100	0.00	∞
005.R	RT	A	3.00	PIPE	0.230 11/96					0.210 05/05	0.100	2.34	46.93



STATUS: ISO570 COMPLETE		RATING? <input checked="" type="checkbox"/> 150# <input type="checkbox"/> 300#	API-570 <input type="checkbox"/> CLASS I	08/01/01 SPT/DC	INSPECTION PIPING ISOMETRIC	
MATERIAL: C.S.	SERVICE: NAPHTHA	STM TRACED? <input type="checkbox"/>	<input checked="" type="checkbox"/> CLASS II		#31 NAPHTHA	
PIPE CLASS: "AB0"(A)	PWHT: NO	INSULATED? <input checked="" type="checkbox"/>	<input type="checkbox"/> CLASS III		#4 CRUDE UNIT (PLANT 11)	
					DISTILLATION AND REFORMING AREA BUSINESS UNIT	
LINE NAME: NAPHTHA TO C-1100 ATCR OR CRAZY CORNER				Z	0955-031-002	
FROM: PLOT LIMIT						
TO: C-1100 ATCR C.V. OR CRAZY CORNER						
					REV	SHT
					1	1



# History Brief

For Location ID: 0955-031-002 in Unit: 0955

Report Date: August 15, 2012

Data Source: Meridium

## Brief Data:

Date Not Available:	9/26/2006	Date Available:	09/26/2006
History Brief Date:	09/26/2006	History Brief ID:	VI-0609160863
Event Type:	Failure	In- Service Date:	09/26/2006
Equipment ID:	0955-031-002	Critical:	L
Asset ID:	0000110630	Reference Material:	
Work Order Nbr:		Incident Event ID:	
History Type:	FXD	Inspection Date:	09/26/2006
Asset Type:	221	Inspection Type:	
Cost Center:	K.DCRR00281		
Unit:	0955 - 4 CRUDE UNIT PLT 11		
Headline:	CUI Dmg To 0.04" @ Crazy Corner Ovhd Ell, Reco To Rplc		

## Reliability Analysis:

Event Type:	Failure	Worked Performed By:	Chevron Reliability
Cause Category:	Maintenance	Program Status:	
Effect Category:	Corrosion	Maintainable Item:	Pipe Wall
Repair Location:		Permanent Repair WO:	
Temporary Repair:		Name:	JMJG
Save:		Inspected By:	JMJG

## Findings:

PCA ID:  
Inspectable:  
Sub Item:  
Part:  
Discussion:

Condition:  
Action:  
Location:  
Damage Mechanism:  
PCA Work Order No :

## Reliability Comments:

During the 9/06 4 Crude CUI Inspection Project, the branch piping and 1st ell down from the header in the east-west pipeway (near P/S # 16) was found severely corroded due to CUI. The worst corrosion was on the vertical straight section in the HAZ of the upper ell to straight weld (down to 0.04" by RT). The ell is located above TML # 3; total estimated footage of damaged line was ~3'.

A recommendation (REC-55916) was issued to replace the corroded ell and straight sections of line.

# History Brief

For Location ID: 0955-031-002 in Unit: 0955



Report Date: August 15, 2012

Data Source: Meridium

## Classification:

Method of Detection:

### What Happened when it Failed?

Equipment Unavailable: Yes -

Unit Shutdown: -

Process Disruption: -

Safety Compromised: -

Environmental Impact: -

Impact Assoc. Processes: -

What was the direct cause?

How did it fail?

Why did it fail?

Why did it fail description:

What is the failure type?

What was done to the asset?

Failure analysis date:

failure Cost (\$):